

### MASONBOLTS



#### Description

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Maksim Masonbolts are complete ready to use masonry anchors for fastening most common building materials and fixtures through concrete, solid brick and masonry substrates. Being an item to be fastened as a template and drilling through it into the base material. Once the hole is drilled to the correct depth, the Masonbolt is inserted through fixture, into the hole and tightened with the appropriate tool to provide a safe, secure fixing.

Masonbolts conform to all Australian Standards that are applicable.

#### Features

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- Yellow Zinc Plated, Galvanised or 316 Grade Stainless Steel
- Complete fully assembled, ready to install unit
- Versatility in head styles available
- Ease of application through fixing
- Able to be used in a wide variety of base materials of moderate compressive strength
- Stainless Steel Grade suitable for marine applications

#### Selection of Correct Anchor Size

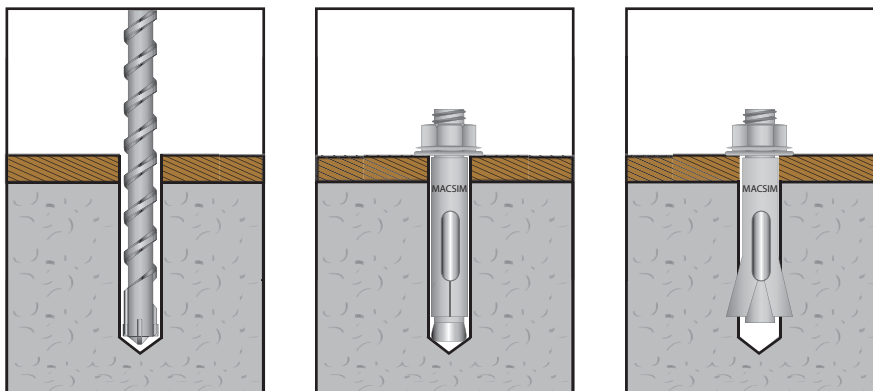
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The diameter of the Masonbolt to be used is usually determined by the available hole in the fixture and/or the holding power required to ensure a safe fixture

The correct length of the Masonbolt to be used is determined by adding the thickness of material to be fastened to the minimum embedment depth required to achieve maximum holding power.

#### Installation Procedure

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## PRODUCT SPECIFICATION MANUAL

### Installation Procedure

1. Drill the correct diameter hole to the required depth. It is recommended that the hole depth be the sum of the minimum embedment depth plus half (1/2) the anchor diameter. Extra depth allows for dust residue left in the hole.
2. Insert the Masonbolt through the pre-drilled hole in the fixture and into the hole in the base material. Tap the anchor down with a hammer until it is tight against the fixture.
3. Tighten the anchor with spanner.
  - (i) Hex Nut - tighten a minimum of 3 full turns of the nut
  - (ii) Flush Head - tighten a minimum of 5 full turns of the nut

Important Tips: For optimum performance tighten to recommended torque setting.

### Installation Recommendations

MASONBOLTS COMPONENT SETS (TO MAKE OWN ANCHOR)			
Code	Size (mm)	Depth (mm)	Box Qty
04CS10	10	40	100
04CS12	12	40	100

MASONBOLTS ROUND HEAD - 5.8 GRADE							
Code	Size (mm)	Drill Size (mm)	Length (mm)	Fasten (mm)	Depth (mm)	Box Qty	Carton Qty
04R06032	6.5-32	6.5	32	7	25	100	1000
04R06050	6.5-50	6.5	50	20	30	100	1000
04R06070	6.5-70	6.5	70	40	30	50	500
04R06095	6.5-95	6.5	95	65	30	50	500



MASONBOLTS HEXAGONAL NUT HEAD - 316 STAINLESS STEEL							
Code	Size (mm)	Drill Size (mm)	Length (mm)	Fasten (mm)	Depth (mm)	Box Qty	Carton Qty
6806036	6.5-36	6.5	36	6	30	100	1000
6806056	6.5-56	6.5	56	26	30	100	1000
6808040	8-40	8	40	5	35	100	1000
6808065	8-65	8	65	30	35	50	500
6810050	10-50	10	50	10	40	50	500
6810075	10-77	10	77	37	40	50	500
6810097	10-97	10	97	57	40	50	500
6812060	12-60	12	60	10	50	50	500
6812075	12-75	2	75	25	50	50	500
6812099	12-99	12	99	47	50	25	250



## PRODUCT SPECIFICATION MANUAL

<b>MASONBOLTS HEXAGONAL NUT HEAD - 5.8 GRADE</b>							
Code	Size (mm)	Drill Size (mm)	Length (mm)	Fasten (mm)	Depth (mm)	Box Qty	Carton Qty
<b>ZINC PLATED</b>							
0406018	6.5-18	6.5	18	3	15	100	1000
0406025	6.5-25	6.5	25	3	22	100	1000
0406036	6.5-36	6.5	36	6	30	100	1000
0406056	6.5-56	6.5	56	26	30	100	1000
0406075	6.5-75	6.5	75	45	30	100	1000
0408040	8-40	8	40	5	35	100	1000
0408065	8-65	8	65	30	35	50	500
0408085	8-85	8	85	50	35	50	500
0410040	10-40	10	40	5	35	50	500
0410050	10-50	10	50	10	40	50	500
0410060	10-60	10	60	20	40	50	500
0410077	10-77	10	77	37	40	50	500
0410097	10-97	10	97	57	40	50	500
0410125	10-125	10	125	85	40	50	500
0412060	12-60	12	60	10	50	50	500
0412075	12-75	12	75	25	50	50	500
0412099	12-99	12	99	47	50	25	250
0412129	12-129	12	129	79	50	25	250
0416065	16-65	16	65	10	55	25	250
0416111	16-111	16	111	55	55	10	100
0416147	16-147	16	147	92	55	10	100
0420075	20-75	20	75	15	60	10	100
0420107	20-107	20	107	45	60	10	100
0420151	20-151	20	151	90	60	10	100
<b>GALVANISED</b>							
6406036	6.5-36	6.5	36	6	30	100	1000
6406056	6.5-56	6.5	56	6	30	100	1000
6408040	8-40	8	40	5	5	100	1000
6408065	8-65	8	65	30	35	50	500
6408085	8-85	8	85	50	35	50	500
6410040	10-40	10	40	5	35	50	500
6410050	10-50	10	50	10	40	50	500
6410060	10-60	10	60	20	40	50	500
6410077	10-77	10	77	37	40	50	500
6410097	10-97	10	97	57	40	50	500
6410125	10-125	10	125	85	40	50	500
6412060	12-60	12	60	10	50	50	500
6412075	12-75	12	75	25	50	50	500
6412099	12-99	12	99	47	50	25	250
6412129	12-129	12	129	79	50	25	250
6416065	16-65	16	65	10	55	25	250
6416111	16-111	16	111	55	55	10	100
6416147	16-147	16	147	92	55	10	100
6420075	20-75	20	75	15	60	10	100
6420107	20-107	20	107	45	60	10	100
6420151	20-151	20	151	90	60	10	100



## PRODUCT SPECIFICATION MANUAL

### MASONBOLTS FLUSH BOLT HEAD - 5.8 GRADE

Code	Size (mm)	Drill Size (mm)	Length (mm)	Fasten (mm)	Depth (mm)	Box Qty	Carton Qty
<b>ZINC PLATED</b>							
04FH08045	8-45	8	45	10	35	100	1000
04FH08070	8-70	8	70	45	35	50	500
04FH08090	8-90	8	90	65	35	50	500
04FH10045	10-45	10	45	5	40	50	500
04FH10055	10-55	10	55	15	40	50	500
04FH10080	10-80	10	80	40	40	50	500
04FH10100	10-100	10	100	60	40	50	500
04FH12065	12-65	12	65	15	50	50	500
04FH12065	12-80	12	80	30	50	50	500
04FH12110	12-110	12	110	60	50	25	250
04FH16075	16-75	16	75	20	55	25	100
04FH16110	16-110	16	110	55	55	10	100
<b>STAINLESS STEEL</b>							
68FH08045	8-45	8	45	10	35	100	1000
68FH08070	8-70	8	70	45	35	50	500
68FH10045	10-45	10	45	5	40	50	500
68FH10055	10-55	10	60	16	44	50	500
68FH10075	10-75	10	75	40	40	50	500
68FH10100	10-100	10	100	60	40	50	500
68FH12075	12-75	12	75	25	50	50	500



### MASONBOLTS COUNTERSUNK HEAD - 5.8 GRADE

Code	Size (mm)	Drill Size (mm)	Length (mm)	Fasten (mm)	Depth (mm)	Box Qty	Carton Qty
04F06037	6.5-37	6.5	37	12	25	100	1000
04F06055	6.5-55	6.5	55	25	30	100	1000
04F06075	6.5-75	6.5	75	45	30	100	1000
04F06100	6.5-100	6.5	100	70	30	100	1000
04F08060	8-60	8	60	25	35	50	500
04F08085	8-85	8	85	50	35	50	500
04F08100	8-100	8	100	65	35	50	500
04F10075	10-75	10	75	35	40	50	500
04F10102	10-102	10	102	62	40	50	500
04F10122	10-122	10	122	85	40	50	500



### MASONBOLTS EYEBOLT & CUP HOOK BOLT

Code	Size (mm)	Drill Size (mm)	Length (mm)	Fasten (mm)	Depth (mm)	Box Qty	Carton Qty
04E840	8-40	8	40	0	40	100	1000
04H840	8-40	8	40	0	40	100	1000



## PRODUCT SPECIFICATION MANUAL

### Technical Data

Anchor Diameter (mm)	Drill Diameter (mm)	Minimum Edge Distance (mm)	Minimum Anchor Spacings (mm)
8	8	35	95
10	10	60	120
12	12	75	145
16	16	100	200
20	20	120	240

Safe working loads are listed and should be used as a guide only. Due to variations in environment, base material and actual installation procedures, actual loading may vary.

### Safe Working Loads (kN): Safety Factor of 4:1 applies

Anchor Diameter (mm)	Embedding Depth (mm)	Concrete Compressive Strength (MPa)					
		22.5		30		42.5	
		Tension	Shear	Tension	Shear	Tension	Shear
6.5	30	1.3	1.5	1.5	1.7	1.5	1.7
8	35	2.0	1.5	2.0	2.1	2.4	2.6
10	40	2.9	4.0	3.7	4.0	4.8	5.4
12	50	5.0	6.1	5.6	6.3	5.8	6.5
16	55	6.6	8.5	6.8	8.3	8.1	9.2
20	60	7.3	10.0	7.5	12.5	8.6	12.6

Increasing embedment depth will increase working loads. For further information contact your nearest Macsim Office.